

BROOME TECHNICAL COMMUNITY COLLEGE

BROOME TECH TODAY



BINGHAMTON, N.Y. 13902

OCTOBER - NOVEMBER, 1970

29% of County HS Graduates Enroll at Tech



Broome Tech switchboard operator Ethel Buchanan points to the old and the new equipment that she requires in her job. The small console that she is pointing to with her right hand is all she needs now. That replaced the large PBX switchboard, on which it is resting, when the college went to the new phone system on Oct. 26.

Central, North Send 38% To the College

The Class of 1972, which entered Broome Tech this fall, includes the equivalent of 29% of all the 1970 graduates of Broome County's 15 high schools.

That's the largest percentage ever, up 1% from last year, and shows the importance of the community college in fulfilling the post-high school educational needs of the community.

It is also significant that this is the eighth consecutive year that Broome Tech has attracted 20% or more of all the high school graduates in the county.

Binghamton Central, North, Johnson City and Catholic Central sent the largest percentage of their graduates to Broome Tech. There are 38% of the graduating class from Central and the same percentage from North, 37% from Johnson City and 36% from Catholic Central.

These figures are based on the number of graduates from each high school who enrolled in Broome Tech's freshman class this fall. Most of them are 1970 graduates, although there are some who had graduated earlier and did not decide to come to Broome Tech for a year or two — either because of military service or of working. This explains the use of the word "equivalent" in the first paragraph.

For the last eight years, the percentage of county high school graduates coming to Broome Tech each year was 22%, 22%, 20%, 21%, 21%, 25%, 28% and this year 29%.

The 1970 figures show that Broome County's 15 high schools graduated 3,589 students this year; 1,038 came to Broome Tech.

These figures also reveal that Broome County residents constitute about 73% of the freshman class. This is a slight drop from last year's 76%, but it still represents an increase over the traditional 66 2/3%.

The following chart shows the approximate percentage of gradu-

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Centrex, New Phone Numbers at Tech

Broome Tech recently changed its telephone number (Oct. 26), as the college switched over to a new type of computerized communication system. It's the first of its kind in the Triple Cities area.

Callers can now dial directly all 148 extensions at the college. Anyone unable to reach his party directly can be assisted by the college information operator by dialing 772-5000. Thirty of the 148 extensions are listed in the telephone directory.

The growth of the college in re-

cent years has seriously taxed the telephone capacity at the campus, with the result that it had become difficult to complete both incoming and outgoing calls. It became apparent to college and county officials about two years ago that there was a need for expanded telephone service.

In order to provide the improved service of Centrex, the New York Telephone Co. invested considerable time and money in constructing and engineering the necessary equipment for the changeover.

Most of the new equipment is located at the phone company's Henry Street building, with some minor components at the college campus.

The Centrex System was selected by the college because it offered economics in installation and operation. Furthermore, the system has sufficient capacity to eliminate the telephone shortcomings, as well as accommodating anticipated growth at the campus. The system is also designed to permit more controlled billing procedures.

Total Enrollment Climbs to 4,849 Students

Broome Tech 'Digs' Expansion



Site Work Under Way On Campus

There is unmistakable evidence on the Broome Tech campus that the college's multi-million dollar expansion program is under way, as the heavy equipment of the Button Co. of Chittenango is digging holes and trenches, grading land behind the campus, and doing the many other things that go along with the site and utility work.

Sewer pipes are being laid, ditches being dug for the electrical and gas distribution lines, roadbeds being readied for new campus roads, and grading being done for the development of new parking lots.

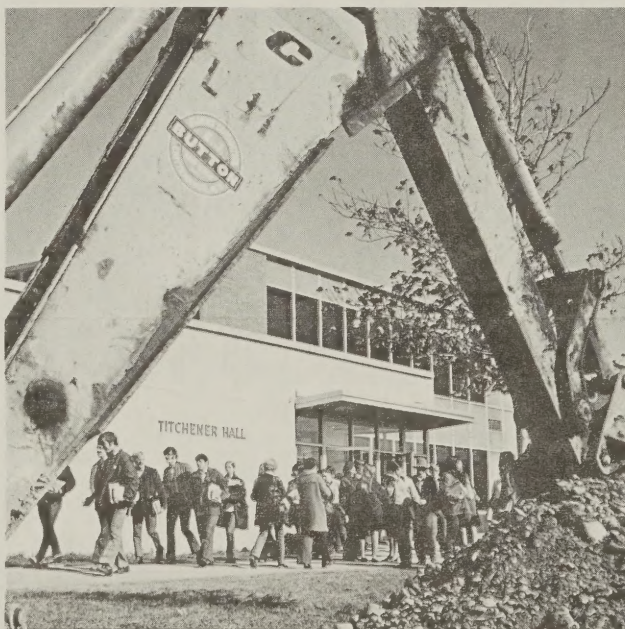
The company began its work in mid-September under terms of a \$1,030,000 contract. Included in the work will be lighting for all campus walkways and the construction of a landscaped area with benches.

This will be known as "Library Plaza," and it will be located between the Administration Building and the new Library. It is the project for which the Classes of 1966, 1967, 1968, 1969 and 1970 made contributions as class gifts.

Other phases of the expansion program are also getting attention. Advertising for bids for the renovation and expansion of the Student Center will go out by early November, and work is expected to start before Jan. 1.

The architects have almost completed their design of the new Business Building, and bids are ex-

The picture above shows the heavy equipment used for digging the trenches for sewer pipes, gas and electric lines on the campus, while the photo below illustrates how classes are going on as usual during the excavation work.



pected to go out shortly after the first of the year.

The architects and their cost consultants are currently re-examining the physical education building to determine if all the faculties desired can be obtained for \$2,300,000. That is the absolute maximum the County Executive and the County legislators will provide for this building.

The first architects' estimates were \$3,200,000, which led the county legislators to impose the ceiling noted above. And since the swimming pool was rated low on the priority list submitted by the physical education department, it was suggested that this be deleted from the original plans. No decision has been made yet, pending the architects' new calculations.

Record High Of 2,200 Full-Timers

The full-time day enrollment at Broome Tech reached a new high of 2200 this fall. This figure brings the total number of students taking credit courses at the college to 4,195.

When the 654 people taking the non-credit, no homework, no-exam courses in the Resource Development Program (RDP), the total is 4,849. This figure will grow, too, as there is a third set of RDP courses to begin on Nov. 4 and the week following.

The full-time day enrollment includes a record high freshman class of 1385, along with 815 seniors, which adds up to an even 2200.

This constitutes a 7½% increase over last year, when there were 2048 full-time day students on campus.

There have been significant increases in the enrollment in the environmental health and X-ray technology curricula in the health science area, and also substantial gains in the college's two largest curricula, business and liberal arts.

The 34 environmental health technology students are 70% over last year's total of 20, and the 49 X-ray students comprise a 32% boost over last year's 37.

Liberal arts enrollment is up from 593 to 654, a gain of 10%, and the number of business and secretarial students is 688 compared to last year's 621. That's an increase of 11%.

A further analysis of the enrollment figures for 1970 shows that 31% of the student body is in the business and secretarial programs, 30% in the liberal arts curriculum, 16% in health science curricula and 14% in the engineer technology offerings.

Following are the number of students in each curriculum:

Business	546
Secretarial	142
Chemical Tech.	31
Civil Tech.	61
Dental Hygiene	86
Electrical Tech.	127
Engineering Sci.	83
Env. Health	34
Liberal Arts	654
Mechanical Tech.	85
Medical Lab. Tech.	34
Med. Office/Record	44
Nursing	101
X-ray Tech.	49
Gen. Studies Cert.	94
St. Hosp. Nurses	29

Total 2200

These figures are taken after the third week of classes so that they eliminate the students who drop out in the early days of the term or who don't come to classes after registering.

The evening credit courses have attracted 1717 students this fall.

(Continued on Page 6)

The Many Faces of Rod Serling as He Appeared at Broome Tech



Rod Serling chats with students prior to his convocation talk at Broome Tech, in which he said that the vote is the key to change in this country, not the bombing and violence of the militant minorities nor the alliterative name-calling of the vice-president. His

appeal to reason recommended, in his brilliant style, that the young develop a respect for democracy and the old learn a regard for the necessity to change.

Some Thoughts About Open Enrollment

"Open enrollment" at the college level is a new concept for many people outside of the educational field. But two of the nation's leading authorities on two-year colleges feel strongly that the com-

munity college has a basic commitment to fulfill this important educational need.

"The most critical issue now confronting the community colleges of this country is to make good on

the implied promise of the open door," said Dr. Edmund J. Gleazer, Jr., executive director of the American Association of Junior Colleges in a recent talk.

The trend today is for the community colleges to give service to their entire community and to as many individuals as possible, instead of the old standard of "exclusivity," according to Dr. S.V. Martorana, vice-chancellor of two-year colleges for the State University of New York.

Dr. Gleazer went into more detail, as he pointed out that the community college has been called an agency for social and economic mobility, has been said to draw a new college-going population, and has been described as meeting educational needs that other higher institutions cannot or will not meet.

It has also been termed the key institution in a program of universal educational opportunity.

"I believe firmly that by taking this direction the community college will earn its reason for being," he continued. "But it is my impression that too few have seen the open door, . . . and altogether too many who have taken us at our word have found that their real needs have not been met. We must do better or the promise is a fake.

"I am increasingly impatient with people who ask whether a student is 'college material.' We have the student as he is, rather than as we wish he were. We should seek to develop a program

for him, rather than to fit and pound and shape him to fit what we have available.

"In our desire to improve instruction, we are still calling for much more change in the student than we are in the faculty and instructional strategies."

Dr. Martorana said the college's image will depend on what it does for its community and how many people it helps. This contrasts with the old concept based on how high a set of standards it develops, and how many students it keeps out or flunks out.

He discounted the idea that open enrollment will result in a drop in the quality of education at the community colleges. The degree-granting curricula will not be affected, because students in them will still have to measure up.

Open enrollment will give more students post-high school education, utilizing short-term non-credit programs and developmental courses, as well as curricula that lead to degrees. This all adds up to an important benefit to the students and to the communities served by the colleges, he said.

The City University of New York, which is a part of the State University of New York, is already operating under the open-enrollment policy. Its enrollment increased from about 22,000 students last year to 35,000 this year. The experiment has caused many inconveniences but it appears to be achieving much, according to an article in the Oct. 19 issue of Time Magazine.

Tech Basketball Picture Clouded by Injuries

Injuries have become a problem for Broome Tech basketball coach Dick Baldwin, even though the season doesn't start until Nov. 14.

Four of last year's five starters are back in school, but only Don Verkey is physically fit. Gerry Newby has arthritis in his left ankle, George Fisher is recovering from strained ligaments in his right knee, and Jim Brody, top scorer and rebounder a year ago, is out until Dec. 1. He dislocated his shoulder during the summer.

Ricky Williams, a 5-foot-7 freshman from New York City, is the lone newcomer who is physically fit these days. Freshman Jim Knapp, a 6-foot-4 scorer from South Glens Falls, arrived at school with a cast on his right wrist from a baseball injury.

John Nolan, a 6-6 transfer from McNeese State in Louisiana, won't be eligible until Dec. 7, and coach Baldwin doesn't know when his injured veterans will be able to move at top speed.

This puts a lot of pressure on the Hornets early in the season, especially with the Turkey Trot scheduled for Thanksgiving weekend (Nov. 26, 27 and 28).

Brandywine Junior College from Delaware, Bryant & Stratton from Boston and Manhattan Community College make a strong field along with the Hornets.

The Turkey Trot, launched last year with great success, is a three-night round-robin competition in which each team plays every other team. There will be a doubleheader each night, with games starting at

6:30 and 8:15.

The Hornets open their season Nov. 14 at home against the Baptist Bible Seminary, then play the Alumni on Nov. 21 prior to the Turkey Trot. So the Hornets play home games on three Saturday nights in November.

The home schedule this season includes games against such new opponents as Robert Morris Junior College of Pittsburgh, a national power, and Baltimore Junior College. The Hornets also host the Cornell Frosh and New York City Tech along with their Empire State Conference foes.

The home schedule:

Nov. 14	Baptist Bible
Nov. 21	Alumni (exhibition)
Nov. 26, 27, 28	Turkey Trot
Dec. 11	Paul Smith's
Dec. 12	Canton Tech
Jan. 6	Orange County
Jan. 8	Cornell Frosh
Jan. 9	Baltimore Jr. Coll.
Jan. 20	Mohawk Valley
Jan. 23	Robert Morris (Pitts.)
Jan. 27	New York City
Feb. 6	Niagara County
Feb. 13	Alfred State
Feb. 17	Jefferson
Feb. 20	Erie
Feb. 24	Monroe

\$500 SCHOLARSHIP

One of the contributions received by the Broome Tech Foundation was a \$500 gift from the Union Carbide Corp. It is designated for use for financial aid to a student or students in the college's chemical technology program.

Inside Broome Tech

The Circle K Club gave \$225 to the United Fund, raising the money by means of the annual campus talent show and charging students, faculty and staff 25 cents for contributions.

Robert DiNunzio, president of the Student Senate (formerly Student Council), is also busy on the state level. He was on the State University's search committee to choose a successor to Chancellor Gould, is on Gov. Rockefeller's Student Panel, and serves on State University's task force on open admissions. He is also a professional entertainer, as a bass player.

Kandice Peworchik, a freshman at the college, is the local Miss March of Dimes for this year and her assistant is Maureen Conwell, another freshman.

If you think Peter, Paul and Mary is the name of a famous singing group, you're only half right. They are also the first names of the three new laboratory assistants in the college's chemical technology department — Peter Buchta, Paul Backo and Mary Lou Horvath. Mary Lou is also a Broome Tech graduate, Class of 1966.

David Newton, coordinator of the environmental health technology program, had this comment to make when he learned that the Post Office will issue four new ecology stamps and that Oct. 26 was to be the issuing date.

"That's St. Jude's Day, and St. Jude is the patron saint of impos-

sible things." The dental hygiene department has been incorporated with the other health science curricula into the newly named Health Sciences Division. Dr. John Clark is the division director, Miss Stitzer is now the chairman of the dental hygiene department, and Dr. Frank Fiaschetti consulting dentist to the department.

The Health Sciences Division was formerly known as the Bio-Medical Division, with Dr. Clark as the director. Dr. Fiaschetti was chairman of the dental hygiene department, with Miss Stitzer the associate chairman.


The art exhibits in the lobby of the Industrial Bank Building are showing a Broome Tech flavor. Robert Keller, who teaches art courses at the college, had his works on view during the month of September, and the October paintings were done by Diane Cafferty, who works part-time in the Broome Tech audio-visual department.

The December display will feature the works of Esther Brooks, former Chenango Valley High School art teacher whose sister Ruth Zerbst is the secretary in the public relations office at Broome Tech.

Alan Dixon of Broome Tech's electrical technology faculty is teaching a 10-week course on "Introductory Transistors" at SUNY at Binghamton every Tuesday. The course is sponsored by the SUNY Binghamton Technical Services Center.



Jack Medovich of the Binghamton Professional Fire Fighters Local 729 gives a check for \$400 to Carl R. Gittler, president of the Broome Tech Foundation. The money is being used for scholarships to two Binghamton high school graduates who are freshmen at the college. The amount will be increased to \$800 next year for four students. Children of members of the local are not eligible for the grants.



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SUNY Broome Community College

4 on Faculty Return, Close To Doctorates

Four Broome Tech faculty members are back on campus this year after completing leaves to do necessary research for their doctorates. They have all finished their course work, are writing their dissertations, and expect to have their degrees by either June or September of 1971.

The four are Larry Maier and Joseph Peone of the chemical technology department, David McLoughlin of the math-physics department and Richard Romano of the history, social sciences dept.

Maier and Peone were at Clarkson College of Technology for three years leave of absence, where they did their research for Ph.D. degrees in chemistry. Maier's field is organic chemistry, specifically in heterocyclics, his type being ring compounds containing nitrogen. Peone's specialty was in inorganic chemistry in transition metal chemistry.

Nuclear Physics

McLoughlin had a leave without pay for one term in the spring of 1969, during which time he did experimentation and collected data at the Carnegie-Mellon University Nuclear Research Center's 450 million electron volt proton synchrotron near Pittsburgh.

He was one of a collaboration of scientists from State University at Binghamton and the Carnegie-Mellon University conducting a series of experiments to determine how the electric charge is distributed on certain "deformed" nuclei.

During his sabbatical leave at State University of Binghamton during the 1969-70 college year, he analyzed the results of his experimentation and drew conclusions leading to the formulation of a new theory. He is now writing this information up in his dissertation. He is working toward his Ph. D. in physics, specifically in the pure science realm of the structure of nuclei.

Studied at SUAB

Romano spent last year on leave of absence as a teaching fellow at State University at Binghamton, doing research toward his Ph. D. in economics. He is specifically concerned about the history of economic thought, with the emphasis on 19th century British economists who made important contributions to economic thought.

This followed a summer of research at Oxford in 1969 when he participated in a special research program there.

Broome Tech has seven faculty members who already have their doctorates — John Clark, director of the health sciences division; Roy Greenwood, W. Porter Swift and Elizabeth Tricomi in the liberal arts division; John Kushner, chairman of the chemical technology department; Henry Ketcham of the engineering sciences department; and F. Brooks Sanders, new director of educational technology.

Special 2-Way Radio Network Selects Tech X-ray Faculty

75 Hospitals In 5 States Participate

The Albany Medical College's special two-way radio broadcasts to hospitals in the five state northeastern area were conducted from the Broome Tech campus recently.

Broome Tech was selected for these broadcasts — on X-ray technology — because the college's faculty is well regarded in the field by the administrators of the Albany Medical College.

The one-hour program was conducted on three successive days, Oct. 21, 22, 23. The first half hour of each was tape recorded earlier by Broome Tech faculty members Alice Gray and Regina Bartish.

The second half was a live question-and-answer session, in which X-ray technicians at the participating hospitals asked questions of the two faculty members and received direct and immediate answers by pressing a button to hook into the special network.

Miss Gray is the chairman of the X-ray technology department at Broome Tech, and Miss Bartish is the chief X-ray technician at



Broome Tech X-ray technology faculty members Alice Gray and Regina Bartish getting ready for their two-way radio presentation to X-ray technicians in conjunction with the Albany Medical College's network to 75 participating hospitals. The sending and receiving equipment is in the attache case at top left.

Lourdes Hospital in Binghamton and a part-time faculty member at Broome Tech.

There are 75 participating hos-

pitals in all, including Binghamton General, in the five states of New York, New Jersey, Massachusetts, Vermont and Connecticut.

23 New Faculty Members

Twenty-three new faculty members are on campus at Broome Technical Community College for the 1970-71 college year.

The new people, nine of whom are replacing faculty members who have resigned, bring diversified backgrounds with them. Two of them for example, have doctor's degrees, five are graduates of two-year colleges who continued their education to earn Bachelor's and Master's degrees; some have work-

ed in industry, most have teaching experience at the college level, and some have taught previously in high schools.

Dr. F. Brooks Sanders is the new director of educational technology. He has been hired to work with other faculty members in developing new teaching techniques, utilizing the latest audio-visual equipment and other technological devices and educational strategies. These will be used to augment the

traditional lecture and discussion methods of the classroom.

Dr. Elizabeth Tricomi taught English part-time at Broome Tech last year, and she will now assume a full-time role in that capacity. She received her doctorate this year.

Three of the other newcomers are moving from part-time to full-time teaching duties at Broome Tech. They are Patricia BeGasse (psychology), Roger McVannan (psychology, sociology) and Patricia Weller (French, Spanish).

In addition, Sam Colman returns to the Broome Tech faculty to teach English after spending last year in the business world. He taught at the college from 1966 to 1969.

The other new faculty members and their areas of teaching are:

William Barlow (anthropology, sociology); Timothy Creston (psychology); Thomas DeCelle (business); Richard Firenze (biology); Morton Goldberg (mathematics); Judith Kindig (German, Spanish); Ronald Miller (biology); William Murray III (physics).

Also Steven Natale (English); Grant Newton, Jr., (Computing Center); William Nichols (chemistry); Mary Beth Oaks (biology); Martin Page (civil technology); Marlene Payne (nursing); Gary Smith (counseling); William Vicks, Jr. (mathematics); Adam Younker (business).

Mary Matson Is Cited At DH Capping Ceremony

Mary Matson, a senior in Broome Tech's dental hygiene program, has been awarded a \$100 scholarship by the Broome County Dental Society, and three of her classmates were each given \$25.

The awards were made as part of the annual dental hygiene capping ceremony at the college. Dr. Herbert Darlington, president of the dental society, made the presentations.

The three \$25 recipients were Mrs. Candice (Constin) Clark of 25 Jutland Rd., Binghamton, Linda Manrahan of Albany and Mrs. Lora (Holcomb) Merrell of Box 143 in Tunnel.

The young ladies were cited for

their outstanding performances during their freshman year in dental hygiene at Broome Tech, with the emphasis on scholarship, clinical ability, personality and appearance.

A record total of 39 dental hygiene students was honored at the capping ceremony, which is a manner of recognizing the student's qualification to work with patients in the clinic.

They are permitted to clean teeth, apply fluorides and take X-rays in the college's Dr. James T. Ivory Dental Hygiene Clinic, which is named after the late Binghamton dentist who was also a member of the college's Board of Trustees.

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Med. Office Assistant Program Accredited

AMA Grants Recognition To Curriculum

The medical office assistant program is the latest Broome Tech curriculum to be accredited, having received the approval of both the American Medical Association and the American Association of Medical Assistants late this summer.

The successful introduction of the externship program last February filled the final gap needed for accreditation. This program required each student to work one day a week in a physician's office. This fall it has been expanded to two days each week.

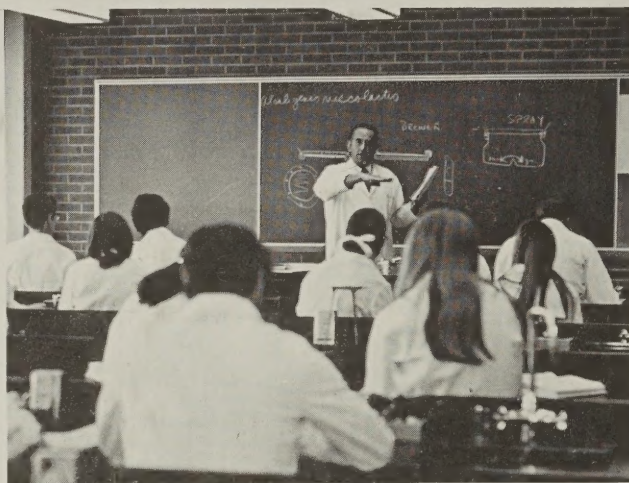
This accreditation brings to six the number of curricula at the college so approved by professional organizations in their fields.

The Engineers Council for Professional Development re-accredited the college's four engineering technology curricula last fall. These are chemical, civil, electrical and mechanical technology. The dental hygiene program was re-accredited last year by the American Dental Society.

In addition, the entire college is accredited by the Middle States Association of Colleges and Secondary Schools.

Accreditation of a college's curricula indicates that they are accomplishing their educational objectives and that they are up to the criteria established by the accrediting organization, which is an independent body concerned with maintaining educational standards.

In such occupational fields of study as the medical office assistant, dental hygiene and engineering technology programs, it is also important to determine whether the college is teaching up-to-date techniques currently in use in industry or the paramedical professions.



The college's new microbiology laboratory is shown in use with George Ferrari conducting a class. The lab is located in the recently completed second-floor addition to the Mechanical Building.

Tech Trustees Elect Wales Chairman Again

Darwin R. Wales was re-elected chairman of the Broome Tech Board of Trustees for the 13th consecutive time, when elections were held in September. He was first chosen for the post in 1957 and has served with great distinction ever since.

Mr. Wales was first elected to the board in 1953.

He has just completed a five-year term, moreover, as president of the state association of two-year college trustees.

The board has recently decided to invite the chairman of the Faculty Association, Harold Hickey, and the president of the Student Senate, Robert DiNunzio, to sit in on trustees meetings. Mr. Wales has also appointed a trustees committee to meet with a committee of faculty and of students to establish better liaison among the three groups.

In other news of the trustees, James Davidge has been reappointed to a new nine-year term, and he was then re-elected vice-chairman. Linda Stanford was re-elected secretary.

... Enrollment

(Continued from Page 2)

most of them adults who work full-time during the day. Part-time student figures also include 209 part-time day students, plus a class of 33 first-year nursing students from Binghamton General Hospital and a class of 36 from Wilson Memorial Hospital.

Thus there are 1995 part-time students taking credit courses, 654 in the RDP non-credit offerings and 2200 full-time day students to add up to the total of 4,849.

Foreign Flavor Sparks Soccer Triumphs

Players from three counties sparked Broome Tech's soccer team to seven victories in the first nine games this fall. One of the wins was over Hudson Valley, marking the first time the Hornets have ever beaten a soccer team from that school. There were two more games left on the schedule.

Rich Kristoff from Vestal was leading in goals scored, with 12. Bruce Sims of Bermuda and Adamantios Antonas from Greece each had 10. Sims was the assist leader with 10, with Antonas having six and Kristoff five.

Sims had missed one game with an injury, and he and Kristoff have enjoyed the distinction of scoring four goals in one game.

Gene Arthur and Ross Riley have been the defensive standouts, according to coach Oz Winters who also cited the fine goal tending of both Steve Quackenbush and Chuck Lasicky.

Lynn Skinner has been top cross-country runner this fall, as the Hornet harriers have brought their record up to three wins and six losses after having dropped their first four dual meets.

... 29% Enroll

(Continued from Page 1)

ates from each high school that enrolled at Broome Tech this fall:

Bing. Central	38%
Bing. North	38
Catholic Central	36
Chenango Forks	20
Chenango Valley	31
Deposit	3
Harpursville	21
Johnson City	37
Maine-Endwell	23
Seton	34
Susquehanna Valley	21
Union-Endicott	30
Vestal	22
Whitney Point	15
Windsor	19
Total	29%